

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

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OCT - 3 1997

In the Matter of)
)
Advanced Television Systems)

MM Docket No. 87-268

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

And Their Impact Upon the)
Existing Television Broadcast)
Service)

DOCKET FILE COPY ORIGINAL

TO: The Commission

**REPLY TO OPPOSITION TO SUPPLEMENT TO PETITION
FOR RECONSIDERATION**

The Mississippi Authority for Educational Television ("MAET"), through its attorneys, hereby files its Reply to the Opposition by Cosmos Broadcasting Corporation ("Cosmos") to MAET's Supplement to Petition for Reconsideration in the above-captioned proceeding, which adopted the Digital Table of Allotments and related technical rules regarding the digital television broadcast service. In support thereof, the following is shown:

1. In its Supplement, MAET included an engineering statement regarding engineering studies with respect to MAET's public television Station WMAE-TV, Booneville, Mississippi, which operates on NTSC Channel *12 and which has been allotted DTV Channel *55. The Commission's DTV allotment is outside the core and would entail wholly unnecessary costs for this statewide public broadcast licensee, including an initial UHF construction at higher power with a subsequent return to its existing NTSC VHF channel. MAET proposed use of DTV Channel *8 at Booneville, which would involve only a minimum of additional co-channel and adjacent channel interference to four area stations in areas where these stations do not provide service.

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2. Cosmos is the licensee of commercial television Station KAIT(TV) on NTSC Channel 8 at Jonesboro, Arkansas. Cosmos is one of the four area licensees which will receive minimal interference, and it is the only one of these four area licensees which seeks to contest MAET's proposal.

3. Cosmos opposes MAET's proposed use of DTV Channel *8 rather than DTV Channel *55 at Booneville because that proposed use would allegedly cause objectionable interference to Station KAIT(TV)'s NTSC operations on Channel 8 at Jonesboro. However, the engineering showing accompanying MAET's Supplement to its Petition for Reconsideration demonstrated that only a minimum of interference would be caused to area stations, including Station KAIT(TV).

4. Furthermore, as shown in the attached Engineering Statement, MAET has sought to reduce the interference to Station KAIT(TV) without increasing interference to other area stations. It proposes to operate during the transition period using a Dielectric THP-P1 Peanut pattern. As a result, interference to these area stations, including Station KAIT(TV), would occur for the most part in fringe areas where the stations do not provide service. For instance, new interference to Station KAIT(TV) would occur in a 2 mile square area which includes 68 persons in 27 households. In view of the substantial public interests which would be served by MAET operation on DTV Channel *8 instead of Channel *55 at Booneville during the transition period until MAET returns to operation on Channel *12, MAET's proposed change in DTV channel should be approved by the Commission.

5. In this connection it should also be noted that Cosmos itself has filed a reconsideration petition in this DTV proceeding, proposing substitution of DTV Channel

9 instead of DTV Channel 58 as allotted by the Commission. That proposal would cause interference to NTSC adjacent channel *10 in Memphis, Tennessee. It is incongruous for Cosmos to defend a DTV channel change at Jonesboro on grounds of claimed minimal interference while at the same time opposing a DTV channel change at Booneville which would cause only minimal interference. In fact, MAET has even modified its engineering proposal at Booneville to reduce interference to Station KAIT(TV)'s NTSC operation to an infinitesimal 68 persons in 27 households in a two-square mile area.

WHEREFORE, for all of the foregoing reasons and for the reasons set forth in its Petition for Reconsideration and Supplement thereto, MAET urges the Commission to change the DTV allotment at Booneville, Mississippi from Channel *55 to Channel *8 during the transition period until MAET's subsequent return to its existing VHF channel at Booneville.

Respectfully submitted,

SCHWARTZ, WOODS & MILLER

By: Robert A. Woods
Robert A. Woods

SCHWARTZ, WOODS & MILLER
1350 Connecticut Avenue, N.W.
Suite 300
Washington, D.C. 20036
202/833-1700

Its Attorneys

October 3, 1997

ENGINEERING STATEMENT OF KEITH G. BLANTON OF THE FIRM OF
KESSLER AND GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS,
IN CONNECTION WITH THE DIGITAL TELEVISION ASSIGNMENT TO
MISSISSIPPI AUTHORITY FOR EDUCATIONAL TELEVISION
LICENSEE OF TELEVISION BROADCAST STATION WMAE-TV NTSC CHANNEL 12
AT BOONEVILLE, MISSISSIPPI

I, Keith G. Blanton, am an associate of Kessler and Gehman Associates, Inc., with offices in Gainesville, Florida. I have been working in the field of radio and television consulting engineering since 1961. I graduated from Duke University in 1951 with a Bachelor of Science degree in Physics.

This firm has been employed by Mississippi Authority for Educational Television licensee of television broadcast station WMAE-TV operating on channel 12 at Booneville, Mississippi to make engineering studies in connection with the assignment in the 6th Report and Order in MM Docket 87-268 of UHF channel 55 to be used by WMAE-TV for digital television broadcasting. It is proposed that WMAE-TV be permitted to operate using DTV technology on VHF channel 8 rather than on UHF channel 55 as proposed in the 6th Report and Order. Studies had been made in accordance with OET Bulletin No. 69 which showed that WMAE-TV could radiate 3.16 kW ERP at its licensed antenna height of 386 meters AMSL using its licensed directional antenna and causing only a minimum of additional interference to cochannel and adjacent channel NTSC stations KAIT-TV channel 8 at Jonesboro, AR, WDCN channel 8 at Nashville, TN, WTVA channel 9 at Tupelo, MS, and WBBJ-TV channel 7 at Jackson, TN. However the licensee of KAIT-TV channel 8 at Jonesboro, AR filed an opposition to the proposed operation claiming that the NTSC channel 8 operation of KAIT would receive new interference to 84 square kilometers within their licensed Grade B contour.

In an effort to reduce the interference to KAIT-TV without unduly increasing the interference to WDCN, WTVA and WBBJ we now propose to operate during the transition period from the licensed site and height using a Dielectric THP-P1 Peanut pattern a copy of which is included as Figure 10. These studies are submitted as Figures 1 through 9 to show the coverage of each of the studied stations along with the interference they would receive from the proposed operation of WMAE-TV. It is shown that the interference within the

Grade B contours of the cochannel and adjacent channel stations occurs for the most part in areas where that station does not provide service.

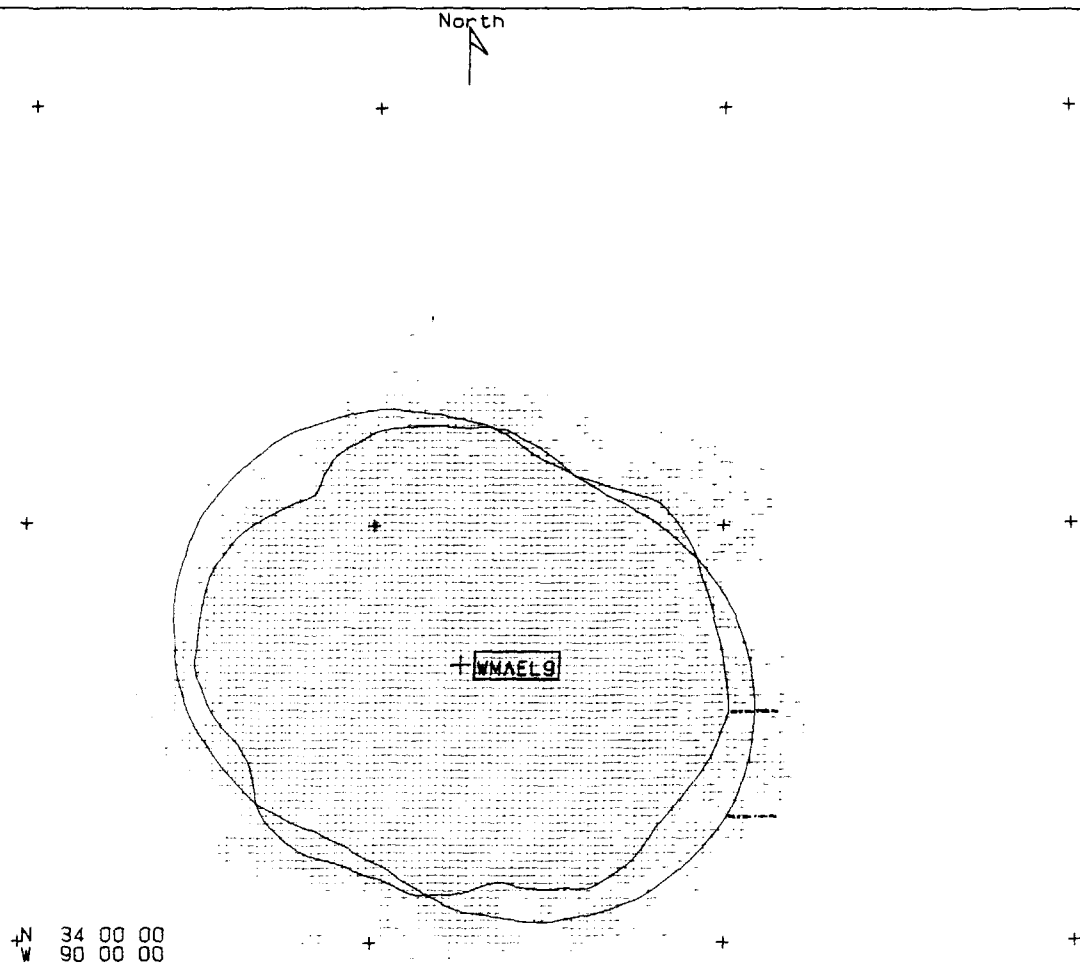
It is pointed out that there is a 2 mile square area located 88.3 kM at N166.2°E from the KAIT-TV site and shown on Figure 3 where there is new interference to KAIT-TV. There is one census enumeration district whose centroid falls in that area which includes 68 persons in 27 household. The D/U ratio at that point is 33 dB rather than the required 34 dB for no interference.

KESSLER AND GEHMAN ASSOCIATES, INC.

Keith G. Blanton

October 2, 1997

Keith G. Blanton, Consultant



MSITE(tm):wmaedtv

Propagation model: Longley-Rice v1.2.2
 Time: 90.00% Loc: 50.00% Margin: .0 dB
 Climate: Continental Temperate
 Gndcvr: None
 Atm. factor: None
 K Factor: 1.333
 RX Antenna: DA-\msite\pat\ntsc
 Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

☐ > 36.0 dBuV/m
☐ < 36.0 dBuV/m

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|--------------|
| WMAEL9* | 386.0 | 30.00 | DA-H | N 34 40 .00 |
| grp: 1 | 183.0000 MHz | 100.0 | | W 88 45 5.00 |

KILOMETERS
 50 0 50

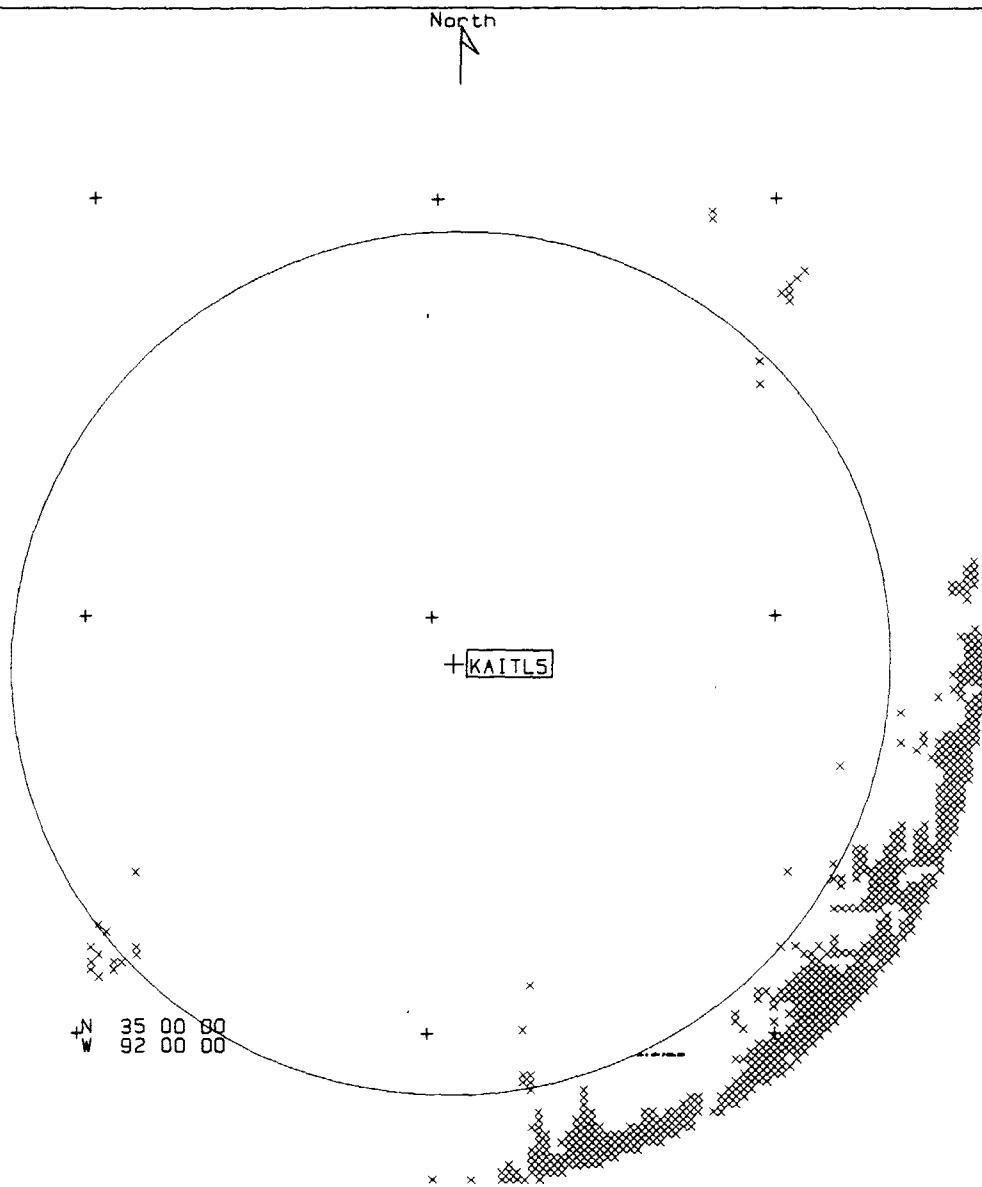
WMAE DTV STUDIES

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FIG.1

Ref. grid: 1 degree



MSITE(tm):wmaedtv

Propagation model: Longley-Rice v1.2.2

Time: 50.00% Loc: 50.00% Margin: .0 dB

Climate: Continental Temperate

Gndcvt: None

Atm. factor: None

K Factor: 1.333

RX Antenna: DA-\msite\pat\ntsc

Height: 10.0 mtrs AGL Gain: .0 dBd

C/I ratio - group 1 TXs to group 2 TXs

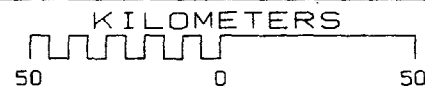


> 34.0

< 34.0

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|---------------|
| WMAEL1 | 386.0 | 30.00 | DA-H | N 34 40 .00 |
| grp: 2 | 183.0000 MHz | 100.0 | | W 88 45 5.00 |
| WOCNL5 | 591.0 | 55.00 | OM-H | N 36 2 49.00 |
| grp: 1 | 183.0000 MHz | | | W 86 49 49.00 |
| KAITLS* | 610.0 | 55.00 | OM-H | N 35 53 17.00 |
| grp: 1 | 183.0000 MHz | | | W 90 56 9.00 |



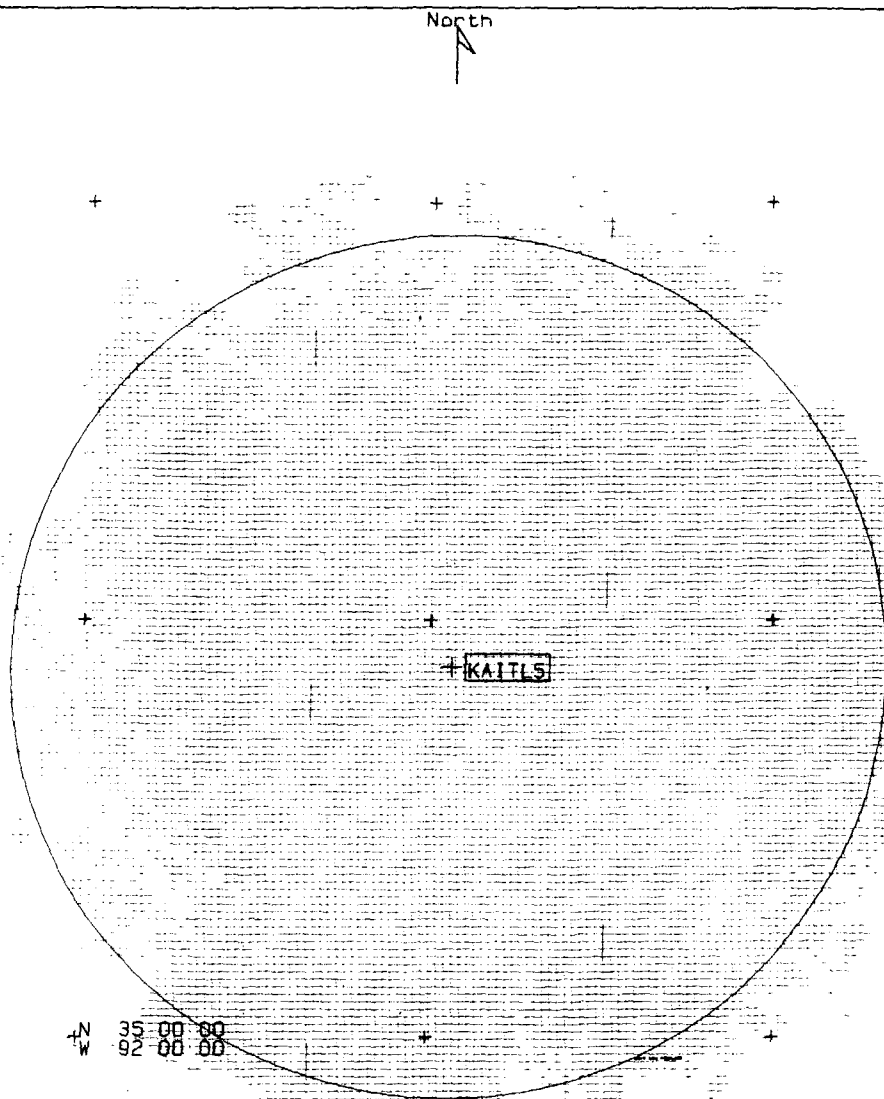
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FIG. 2

Ref. grid: 1 degree



MSITE(tm):WMAEDTV

Propagation model: Longley-Rice v1.2.2
 Time: 50.00% Loc: 50.00% Margin: .0 dB
 Climate: Continental Temperate
 Gndcvt: None
 Atm. factor: None
 K Factor: 1.333
 RX Antenna: DA-\msite\pat\ntsc
 Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

> 56.0 dBuV/m
 < 56.0 dBuV/m

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|---------------|
| WDCNLS* | 808.2 | 55.00 | GM-H | N 36 2 49.00 |
| grp: 1 | 183.0000 MHz | | | W 86 49 49.00 |
| KAITLS | 610.0 | 55.00 | GM-H | N 35 53 17.00 |
| grp: 1 | 183.0000 MHz | | | W 90 56 9.00 |

KILOMETERS

50 0 50

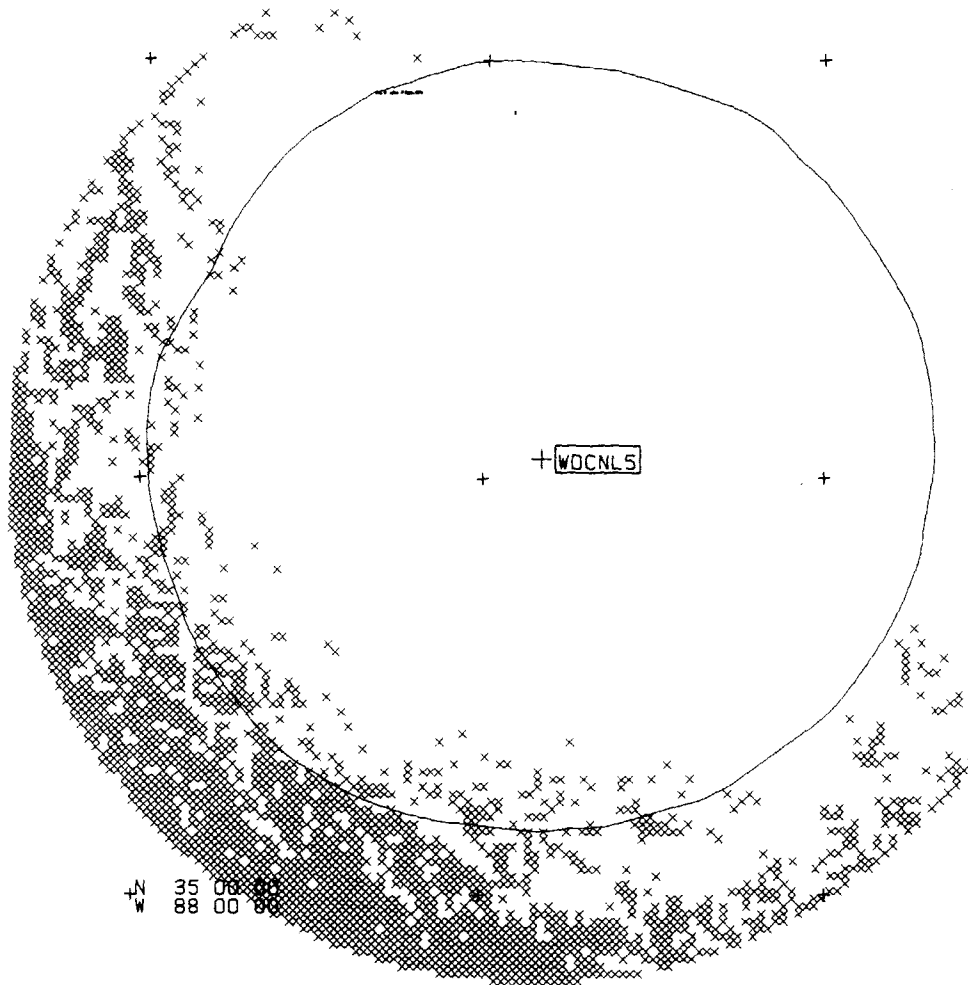
WMAE DTV STUDIES

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FIG. 3

Ref. grid: 1 degree



N 35 00 00
W 88 00 00

MSITE(tm):wmaedtv

Propagation model: Longley-Rice v1.2.2

Time: 50.00% Loc: 50.00% Margin: .0 dB

Climate: Continental Temperate

Gndcvr: None

Atm. factor: None

K Factor: 1.333

RX Antenna: DA-\msite\pat\ntsc

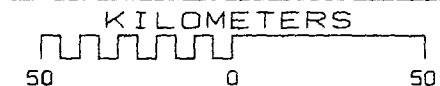
Height: 10.0 mtrs AGL Gain: .0 dBd

C/I ratio - group 1 TXs to group 2 TXs

< 34.0
> 34.0

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv | | Ant. Type | Coordinates |
|---------|----------------|---------------|-----------|---------------|
| | AMSL (mtrs) | ERPd (dBW) | | |
| WMAEL1 | 386.0 | 30.00 | DA-H | N 34 40 .00 |
| grp: 2 | 183.0000 MHz | 100.0 | | W 88 45 5.00 |
| WOCNLS | 591.0 | 55.00 | OM-H | N 36 2 49.00 |
| grp: 1 | 183.0000 MHz | | | W 86 49 49.00 |
| KAITL5* | 610.0 | 55.00 | OM-H | N 35 53 17.00 |
| grp: 1 | 183.0000 MHz | | | W 90 56 9.00 |



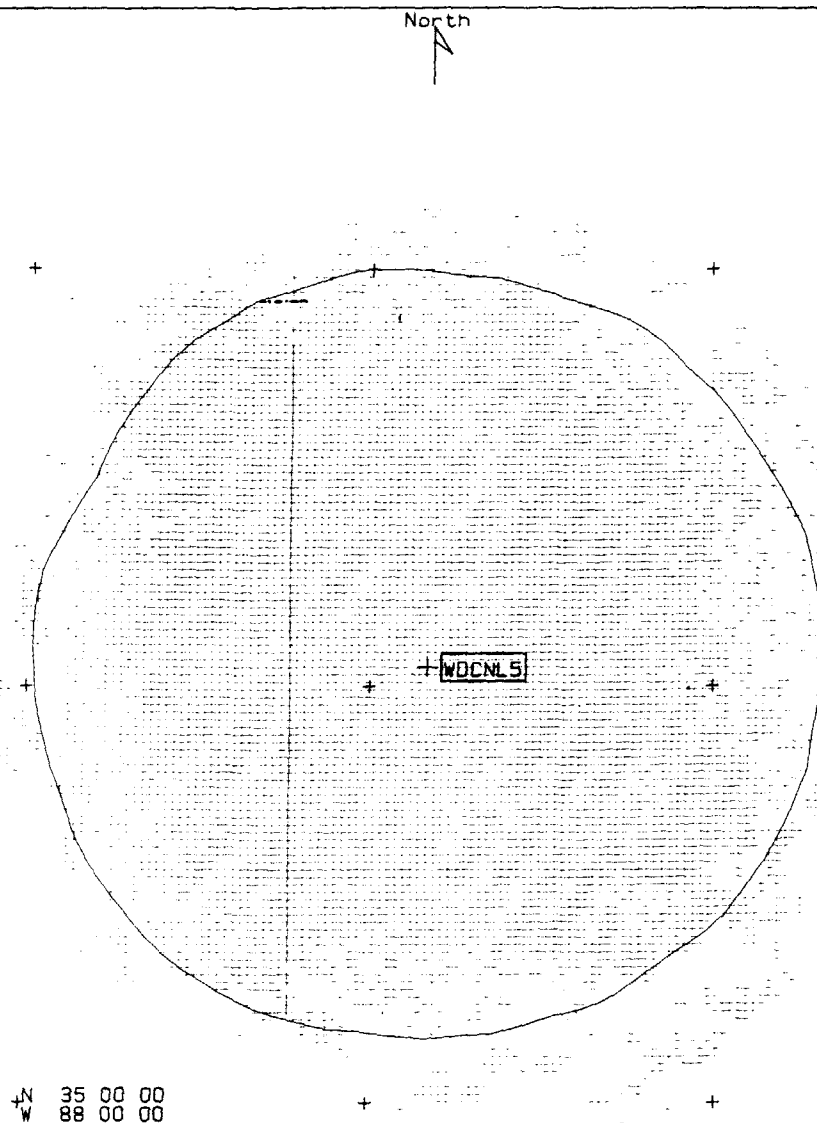
WMAE DTV STUDIES

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FIG. 4

Ref. grid: 1 degree



MSITE(tm):WMAEDTV

Propagation model: Longley-Rice v1.2.2
 Time: 50.00% Loc: 50.00% Margin: .0 dB
 Climate: Continental Temperate
 Gndcvr: None
 Atm. factor: None
 K Factor: 1.333
 RX Antenna: DA-\msite\pat\ntsc
 Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

> 56.0 dBuV/m
 < 56.0 dBuV/m

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|---------------|
| WDCNL5* | 591.0 | 55.00 | OM-H | N 36 2 49.00 |
| grp: 1 | 183.0000 MHz | | | W 86 49 49.00 |

KILOMETERS

50 0 50

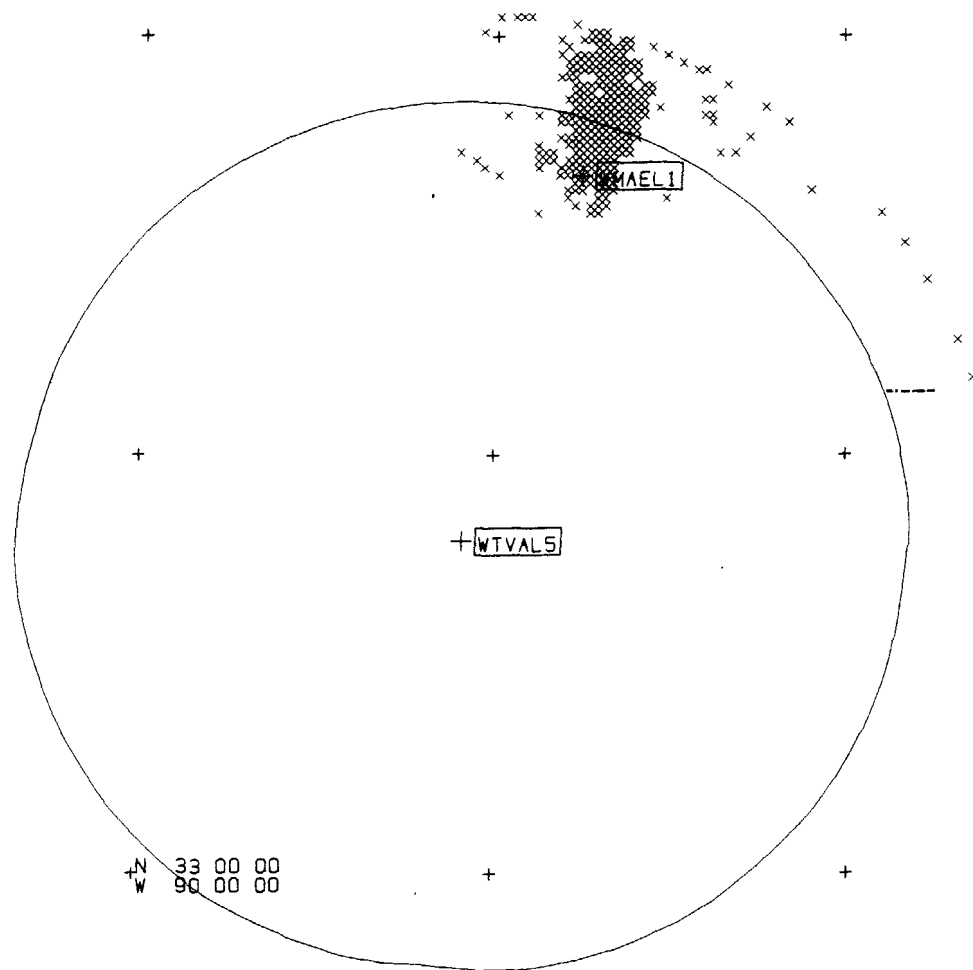
WMAE DTV STUDIES

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FIG. 5

North
↑



MSITE(tm):wmaedtv

Propagation model: Longley-Rice v1.2.2
Time: 50.00% Loc: 50.00% Margin: .0 dB
Climate: Continental Temperate
Gndcvr: None
Atm. factor: None
K Factor: 1.333
RX Antenna: DA-\msite\pat\ntsc
Height: 10.0 mtrs AGL Gain: .0 dBd

C/I ratio - group 1 TXs to group 2 TXs

□ > -17.0
⊗ < -17.0

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|---------------|
| WMAEL1 | 386.0 | 30.00 | DA-H | N 34 40 .00 |
| grp: 2 | 183.0000 MHz | 100.0 | | W 88 45 5.00 |
| WTVALS* | 649.0 | 55.00 | OM-H | N 33 47 40.00 |
| grp: 1 | 189.0000 MHz | | | W 89 5 16.00 |

KILOMETERS
50 0 50

WMAE DTV STUDIES

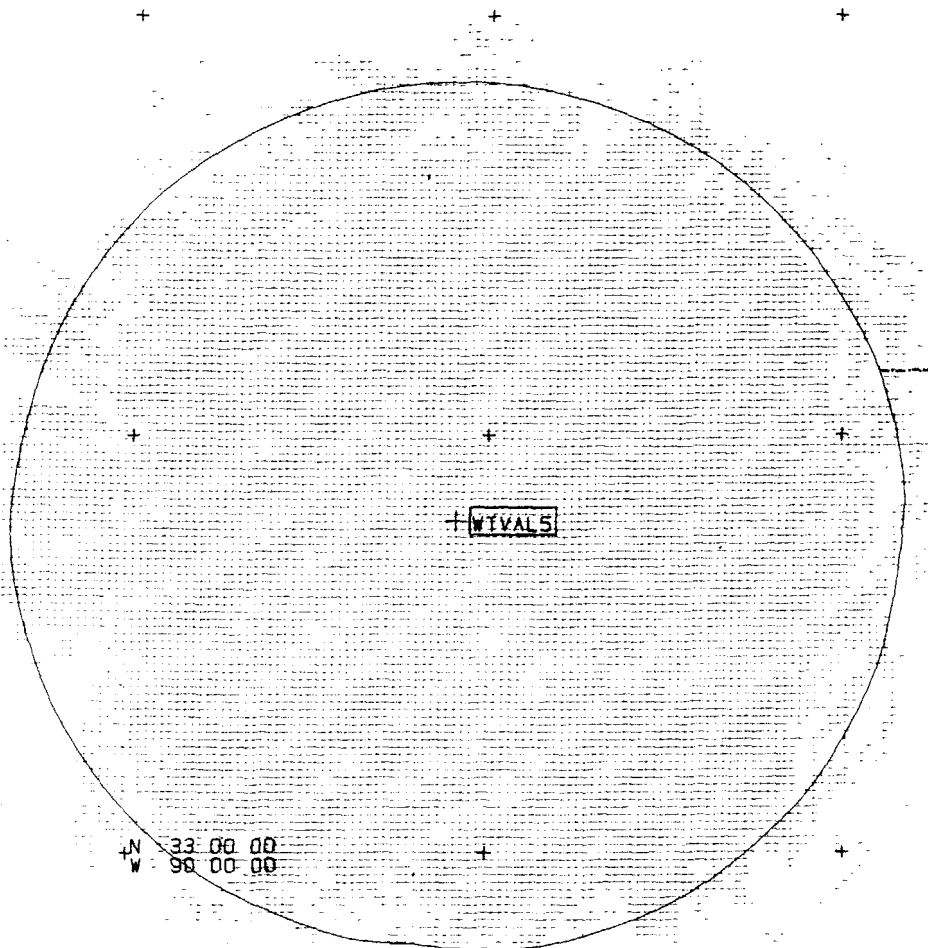
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FIG. 6

Ref. grid: 1 degree

North
↑



N 33 00 00
W 98 00 00

MSITE(tm):WMAEDTV

Propagation model: Longley-Rice v1.2.2
Time: 50.00% Loc: 50.00% Margin: .0 dB
Climate: Continental Temperate
Gndcvr: None
Atm. factor: None
K Factor: 1.333
RX Antenna: DA-\msite\pat\ntsc
Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

> 56.0 dBuV/m
< 56.0 dBuV/m

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|---------------|
| WTVALS* | 649.0 | 55.00 | OM-H | N 33 47 40.00 |
| grp: 1 | 189.0000 MHz | | | W 89 5 16.00 |

KILOMETERS
50 0 50

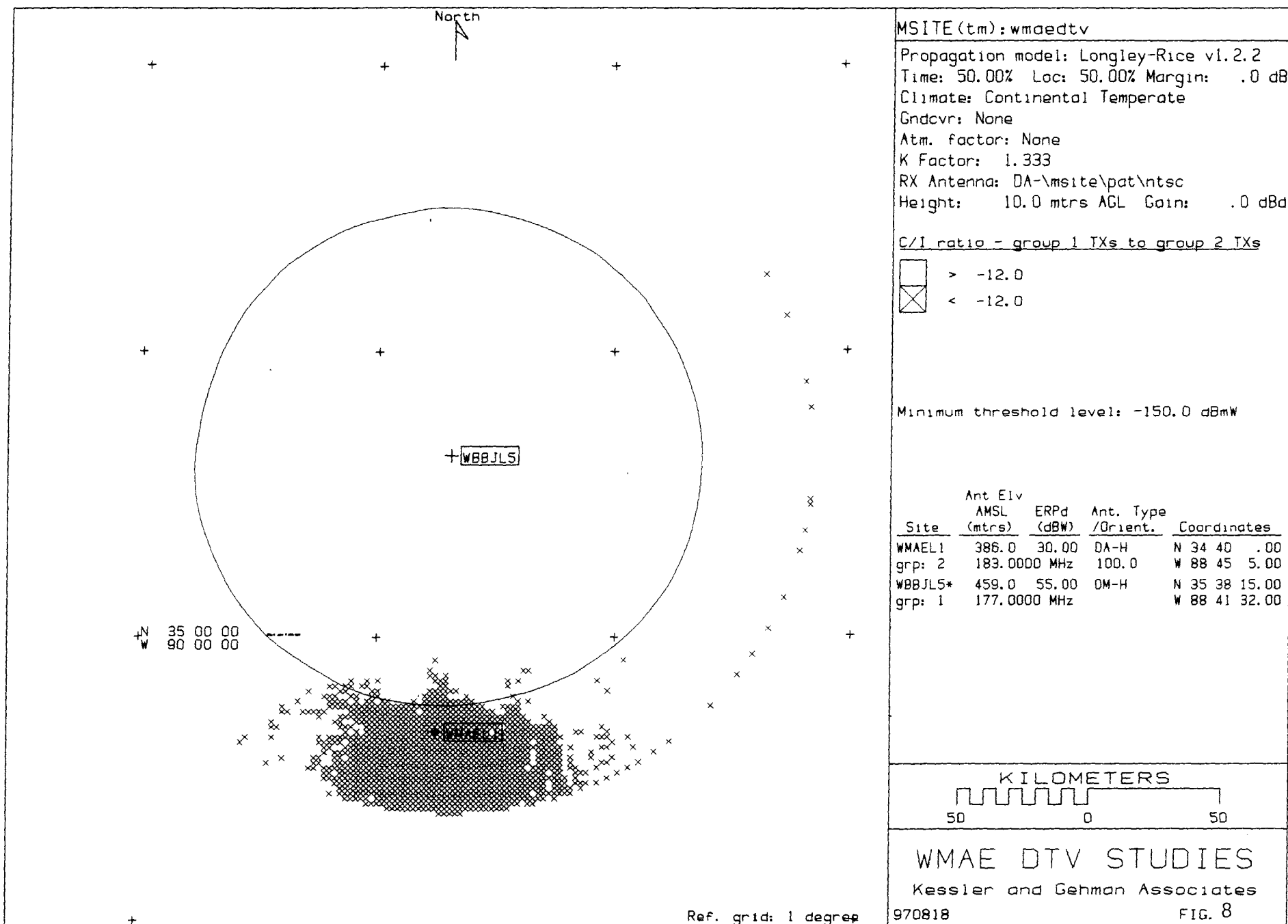
WMAE DTV STUDIES

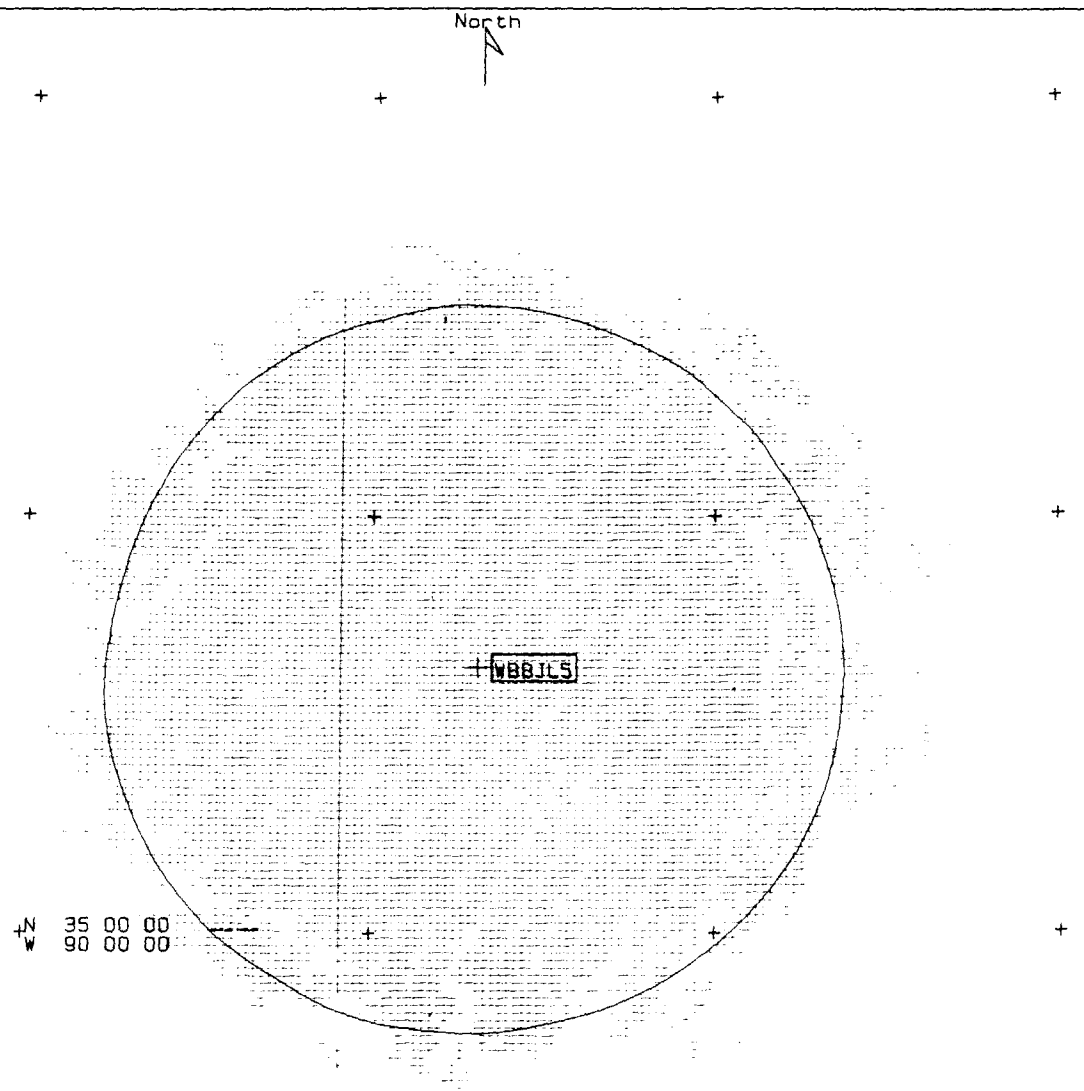
Kessler and Gehman Associates

Ref. grid: 1 degree

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FIG. 7





N 35 00 00
W 90 00 00

MSITE(tm):WMAEDTV

Propagation model: Longley-Rice v1.2.2
Time: 50.00% Loc: 50.00% Margin: .0 dB
Climate: Continental Temperate
Gndcvr: None
Atm. factor: None
K Factor: 1.333
RX Antenna: DA-\msite\pat\ntsc
Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

> 56.0 dBuV/m
< 56.0 dBuV/m

Minimum threshold level: -150.0 dBmW

| Site | Ant Elv AMSL (mtrs) | ERPd (dBW) | Ant. Type /Orient. | Coordinates |
|---------|---------------------------|---------------|-----------------------|---------------|
| WBBJL5* | 459.0 | 55.00 | OM-H | N 35 38 15.00 |
| grp: 1 | 177.0000 MHz | | | W 88 41 32.00 |

KILOMETERS
50 0 50

WMAE DTV STUDIES

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Ref. grid: 1 degree

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FIG. 9

H PANEL ANTENNAS

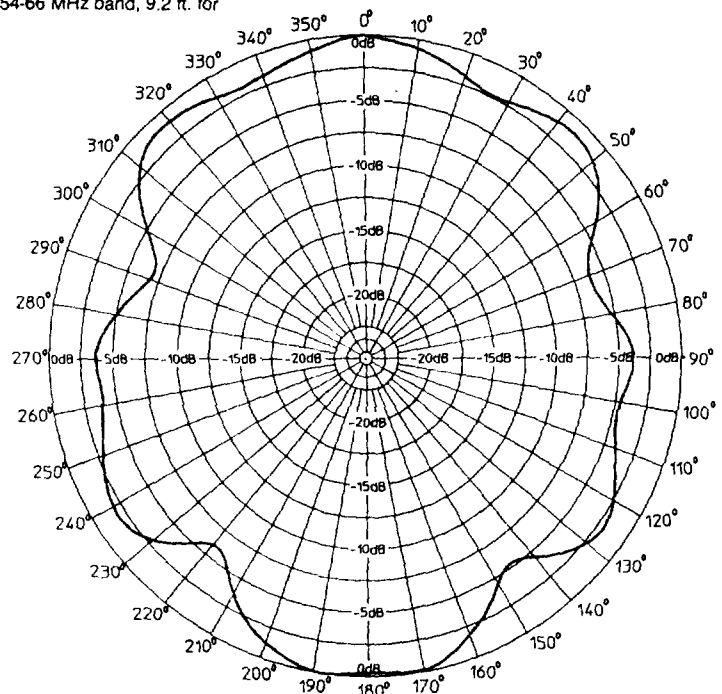
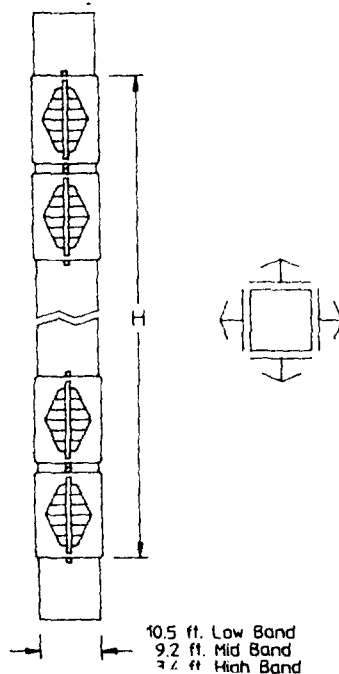
TYPE THP-P1 PEANUT

ELECTRICAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

| | No. of Layers | RMS Gain | Peak Gain *1. | Null Fill % | Beam Tilt deg. | Vertical Pattern No. | Power Rating kW | Input Zo Ohms | Input Size In | Antenna Type No. | APERTURE H (ft) | MAXIMUM REACTION No Radome (lb) | w/Radome (lb) | WEIGHT (lb) | NO. OF LAYERS | |
|------------------------------|------------------|-------------|---------------------|-------------------|----------------------|----------------------------|-----------------------|---------------------|---------------------|------------------------|-----------------------|---------------------------------------|------------------|----------------|------------------|--------------------------|
| 54-66 MHz FCC CH. 2, 3 | 1 | 1.1 | 1.9 | 0 | 0 | VP-H-1 | 17 | 50 | 3 | THP-P1-1-1 | 14.5 | 5410 | 5650 | 3000 | 1 | THP-Low Band (Ch. 2-3) |
| | 2 | 2.1 | 3.6 | 0 | 0 | VP-H-2 | 34 | 50 | 3 | THP-P1-2-1 | 30.8 | 10730 | 11190 | 5890 | 2 | |
| | 2 | 2.1 | 3.6 | 0 | 0 | VP-H-2 | 34 | 2x50 | 2x3 | THP-P1-2-2 | 30.8 | 10850 | 11310 | 6110 | 2 | |
| | 3 | 3.2 | 5.4 | 0 | 0 | VP-H-3 | 51 | 50 | 3 | THP-P1-3-1 | 47.0 | 15940 | 16630 | 8790 | 3 | |
| | 4 | 4.2 | 7.1 | 0 | 0 | VP-H-4 | 68 | 50 | 3 | THP-P1-4-1 | 63.3 | 21140 | 22060 | 11630 | 4 | |
| | 4 | 4.2 | 7.1 | 0 | 0 | VP-H-4 | 68 | 2x50 | 2x3 | THP-P1-4-2 | 63.3 | 21580 | 22510 | 11930 | 4 | |
| | 5 | 5.1 | 8.7 | 7 | 0.5 | VP-H-5 | 68 | 50 | 3 | THP-P1-5-1 | 79.5 | 26740 | 27900 | 14700 | 5 | |
| | 5 | 5.1 | 8.7 | 7 | 0.5 | VP-H-5 | 68 | 2x50 | 2x3 | THP-P1-5-2 | 79.5 | 26920 | 28080 | 14810 | 5 | |
| | 6 | 6.0 | 10.2 | 12 | 0.6 | VP-H-6 | 90 | 50 | 3 | THP-P1-6-1 | 95.8 | 32180 | 33570 | 17700 | 6 | |
| | 6 | 6.0 | 10.2 | 12 | 0.6 | VP-H-6 | 90 | 2x50 | 2x3 | THP-P1-6-2 | 95.8 | 32260 | 33650 | 17700 | 6 | |
| | 1 | 1.1 | 1.9 | 0 | 0 | VP-H-1 | 14 | 50 | 3 | THP-P1-1-1 | 11.5 | 4040 | 4240 | 2370 | 1 | |
| | 2 | 2.1 | 3.6 | 0 | 0 | VP-H-2 | 28 | 50 | 3 | THP-P1-2-1 | 24.2 | 7940 | 8340 | 4630 | 2 | |
| 66-88 MHz FCC CH. 4, 5, 6 | 2 | 2.1 | 3.6 | 0 | 0 | VP-H-2 | 28 | 2x50 | 2x3 | THP-P1-2-2 | 24.2 | 8060 | 8460 | 4850 | 2 | THP-Mid Band (Ch. 4-6) |
| | 3 | 3.2 | 5.4 | 0 | 0 | VP-H-3 | 42 | 50 | 3 | THP-P1-3-1 | 36.9 | 11760 | 12350 | 6900 | 3 | |
| | 4 | 4.2 | 7.1 | 0 | 0 | VP-H-4 | 57 | 50 | 3 | THP-P1-4-1 | 49.6 | 15640 | 16420 | 9140 | 4 | |
| | 4 | 4.2 | 7.1 | 0 | 0 | VP-H-4 | 57 | 2x50 | 2x3 | THP-P1-4-2 | 49.6 | 15970 | 16760 | 9400 | 4 | |
| | 5 | 5.1 | 8.7 | 7 | 0.5 | VP-H-5 | 70 | 50 | 3 | THP-P1-5-1 | 62.3 | 19910 | 20890 | 11600 | 5 | |
| | 5 | 5.1 | 8.7 | 7 | 0.5 | VP-H-5 | 70 | 2x50 | 2x3 | THP-P1-5-2 | 62.3 | 19890 | 20870 | 11650 | 5 | |
| | 6 | 6.0 | 10.2 | 12 | 0.6 | VP-H-6 | 75 | 50 | 3 | THP-P1-6-1 | 75.1 | 24000 | 25170 | 13990 | 6 | |
| | 6 | 6.0 | 10.2 | 12 | 0.6 | VP-H-6 | 75 | 2x50 | 2x3 | THP-P1-6-2 | 75.1 | 23810 | 24990 | 13900 | 6 | |
| | 3 | 3.2 | 5.4 | 0 | 0 | VP-H-3 | 27 | 50 | 3 | THP-P1-3-1 | 15 | 2310 | 2830 | 1410 | 3 | |
| | 4 | 4.2 | 7.1 | 0 | 0 | VP-H-4 | 35 | 50 | 3 | THP-P1-4-1 | 20 | 3000 | 3680 | 1790 | 4 | |
| | 4 | 4.2 | 7.1 | 0 | 0 | VP-H-4 | 36 | 2x50 | 2x3 | THP-P1-4-2 | 20 | 3370 | 4060 | 2110 | 4 | |
| | 5 | 5.1 | 8.7 | 7 | 0.5 | VP-H-5 | 35 | 50 | 3 | THP-P1-5-1 | 25 | 3920 | 4780 | 2450 | 5 | |
| 177-213 MHz FCC CH. 7-13 | 5 | 5.1 | 8.7 | 7 | 0.5 | VP-H-5 | 36 | 2x50 | 2x3 | THP-P1-5-2 | 25 | 4100 | 4960 | 2500 | 5 | THP-High Band (Ch. 7-13) |
| | 6 | 6.0 | 10.2 | 12 | 0.6 | VP-H-6 | 35 | 50 | 3 | THP-P1-6-1 | 30 | 4740 | 5780 | 2870 | 6 | |
| | 6 | 6.0 | 10.2 | 12 | 0.6 | VP-H-6 | 38 | 2x50 | 2x3 | THP-P1-6-2 | 30 | 4840 | 5870 | 2890 | 6 | |
| | 8 | 8.0 | 13.6 | 12 | 0.6 | VP-H-8 | 35 | 50 | 3 | THP-P1-8-1 | 40 | 6120 | 7490 | 3620 | 8 | |
| | 8 | 8.0 | 13.6 | 12 | 0.6 | VP-H-8 | 50 | 2x50 | 2x3 | THP-P1-8-2 | 40 | 6240 | 7620 | 3660 | 8 | |
| | 10 | 10.0 | 17.0 | 12&7 | 0.6 | VP-H-10 | 35 | 50 | 3 | THP-P1-10-1 | 50 | 8120 | 9840 | 4980 | 10 | |
| | 10 | 10.0 | 17.0 | 12&7 | 0.6 | VP-H-10 | 50 | 2x50 | 2x3 | THP-P1-10-2 | 50 | 8070 | 9790 | 4960 | 10 | |
| | 12 | 11.8 | 20.4 | 13&12 | 0.6 | VP-H-12 | 35 | 50 | 3 | THP-P1-12-1 | 60 | 9870 | 11930 | 5850 | 12 | |
| | 12 | 11.8 | 20.4 | 13&12 | 0.6 | VP-H-12 | 50 | 2x50 | 2x3 | THP-P1-12-2 | 60 | 9760 | 11820 | 5810 | 12 | |

*1. Horizontal pattern gain is 1.7 (2.30 dB) for 10.5 ft. square tower for 54-66 MHz band, 9.2 ft. for 66-88 MHz band, and 3.4 ft. for 177-213 MHz band.

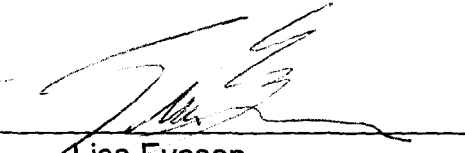


HORIZONTAL PATTERN THP-P1 FIGURE 10

CERTIFICATE OF SERVICE

I, Lisa Eyeson, Secretary in the law office of Schwartz, Woods & Miller, do hereby certify that I have on this 3rd day of October 1997 sent copies by First Class Mail of the foregoing REPLY TO OPPOSITION TO SUPPLEMENT TO PETITION FOR RECONSIDERATION to the following:

Werner K. Hartenberger, Esquire
Counsel for Cosmos Broadcasting Corporation
Dow Lohnes & Albertson, P.L.L.C.
1200 New Hampshire Avenue, NW
Suite 800
Washington, DC 20036-6802



Lisa Eyeson